

HIGHLY EFFICIENT DELIVERY OF A LARGE THERAPEUTIC MASS AEROSOL

ABSTRACT OF THE DISCLOSURE

A method for delivering a therapeutic dose of a bioactive agent to the pulmonary system, in a single, breath-activated step, comprises administering from a receptacle
5 enclosing a mass of particles, to a subject's respiratory tract, particles which have a tap density of less than 0.4 g/cm^3 and deliver at least about 50% of the mass of particles.

Another method of delivering a therapeutic dose of a bioactive agent to the pulmonary system, in a single breath, includes administering from a receptacle enclosing a mass of particles, to a subject's respiratory tract, particles which have a tap density of at least 0.4
10 g/cm^3 and deliver at least about 10 milligrams of the bioactive agent. The receptacle can have a volume of at least 0.37 cm^3 .